



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,786	02/24/2004	Moshe E. Matsa	POU920030086US1	3750
23334 7590 10/17/2007 FLEIT, KAIN, GIBBONS, GUTMAN, BONGINI & BIANCO P.L. ONE BOCA COMMERCE CENTER 551 NORTHWEST 77TH STREET, SUITE 111 BOCA RATON, FL 33487			EXAMINER LOVEL, KIMBERLY M	
			ART UNIT 2167	PAPER NUMBER
			MAIL DATE 10/17/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/786,786

Applicant(s)

MATSA ET AL.

Examiner

Kimberly Lovel

Art Unit

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. Claims 1-21 are rejected.

#### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 23 July 2007 has been entered.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. **Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by US PGPub 2001/0034771 to Hutsch et al (hereafter Hutsch).**

Referring to claim 1, Hutsch discloses a method for managing configuration data, the method comprising the steps of:

storing a plurality of configuration values in a hierarchical tree [DOM tree] having a plurality of nodes (see [0327], lines 3-5), a defined structure [strongly typed schema]

(see [0418]), and defined data types for the stored configuration values (see [0329]), wherein each node is associated with at least one of the configuration values (see [0158]), and each of the configuration values dictates how an application component associated with that configuration value at least one of behaves and interacts with other application components, and wherein some of the nodes are only associated with a set of configuration values while other of the nodes are associated with a combination of a set of configuration values [value] and an identifier [key] associated with at least one application component (see [0158] and [0159]);

registering at least one application component with at least one of the nodes of the tree, based on at least one query [transaction] received from the at least one application component (see [0159]); and

notifying the at least one application component [listener] when a configuration value associated with the at least one node is modified [alterations], based on an addition or change in at least one configuration value that matches the at least one query [transaction] (see [0159]).

**Referring to claim 2**, Hutsch discloses the method of claim 1, wherein the at least one query depends on at least one of a location of a configuration value in the tree [value] and a data type of a configuration value (see [0159]).

**Referring to claim 3**, Hutsch discloses the method of claim 1, wherein the hierarchical tree is an Extensible Markup Language (XML) tree, and an XML schema describes the structure of the XML tree and the data types that are stored (see [0158] and [0321]).

**Referring to claim 4**, Hutsch discloses the method of claim 1, wherein the at least one application component comprises a plurality of components of an email application (see [0210] and [0316]).

**Referring to claim 5**, Hutsch discloses the method of claim 1, wherein a node further includes a reference to at least one node (see Fig 16A).

**Referring to claim 6**, Hutsch discloses the method of claim 1, wherein the notifying step comprises: modifying at least one configuration value that is associated with the at least one node with which the at least one application component is registered; storing in the hierarchical tree the configuration value that was modified, the configuration value being stored at the at least one node with which the at least one application component is registered; and notifying the at least one application component that the configuration value was modified (see [0159]).

**Referring to claim 7**, Hutsch discloses the method of claim 6, further comprising the step of supplying the configuration value that was modified to the at least one application component (see [0159]).

**Referring to claim 8**, Hutsch discloses the method of claim 1, further comprising the step of supplying at least one of the configuration values stored in the hierarchical tree to the at least one application component (see [0159]).

**Referring to claim 9**, Hutsch discloses a computer program product for managing configuration data, the computer program product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit [0683] for performing a method comprising the steps of:

storing a plurality of configuration values in a hierarchical tree [DOM tree] having a plurality of nodes (see [0327], lines 3-5), a defined structure [strongly typed schema] (see [0418]), and defined data types for the stored configuration values (see [0329]), wherein each node is associated with at least one of the configuration values (see [0158]), and each of the configuration values dictates how an application component associated with that configuration value at least one of behaves and interacts with other application components, and wherein some of the nodes are only associated with a set of configuration values while other of the nodes are associated with a combination of a set of configuration values [value] and an identifier [key] associated with at least one application component (see [0158] and [0159]);

registering at least one application component with at least one of the nodes of the tree, based on at least one query [transaction] received from the at least one application component (see [0159]); and

notifying the at least one application component [listener] when a configuration value associated with the at least one node is modified [alterations], based on an addition or change in at least one configuration value that matches the at least one query [transaction] (see [0159]).

**Referring to claim 10**, Hutsch discloses the computer program product of claim 9, wherein the at least one query depends on at least one of a location of a

configuration value in the tree [value] and a data type of a configuration value (see [0159]).

**Referring to claim 11**, Hutsch discloses the computer program product of claim 9, wherein the hierarchical tree is an Extensible Markup Language (XML) tree, and an XML schema describes the structure of the XML tree and the data types that are stored (see [0158] and [0321]).

**Referring to claim 12**, Hutsch discloses the computer program product of claim 9, wherein the at least one application component comprises a plurality of components of an email application (see [0210] and [0316]).

**Referring to claim 13**, Hutsch discloses the computer program product of claim 9, wherein a node further includes a reference to at least one node (see Fig 16A).

**Referring to claim 14**, Hutsch discloses the computer program product of claim 9, wherein the notifying step comprises: modifying at least one configuration value that is associated with the at least one node with which the at least one application component is registered; storing in the hierarchical tree the configuration value that was modified, the configuration value being stored at the at least one node with which the at least one application component is registered; and notifying the at least one application component that the configuration value was modified (see [0159]).

**Referring to claim 15**, Hutsch discloses the computer program product of claim 14, wherein the method further comprises the step of supplying the configuration value that was modified to the at least one application component (see [0159]).

**Referring to claim 16**, Hutsch discloses the computer program product of claim 9, wherein the method further comprises the step of supplying at least one of the configuration values stored in the hierarchical tree to the at least one application component (see [0159]).

**Referring to claim 17**, Hutsch discloses a computer system for managing configuration data, the computer system comprising:

an organization module (see [0683]) for organizing a plurality of configuration values in a hierarchical tree [DOM tree] having a plurality of nodes (see [0327], lines 3-5), a defined structure [strongly typed schema] (see [0418]), and defined data types for the stored configuration values (see [0329]), wherein each node is associated with at least one of the configuration values (see [0158]), and wherein some of the nodes are only associated with a set of configuration values while other of the nodes are associated with a combination of a set of configuration values [value] and an identifier [key] associated with at least one application component (see [0158] and [0159]);

a storage medium (see [0342]) for storing the plurality of configuration values in the hierarchical tree, each of the configuration values dictates how an application component associated with that configuration value at least one of behaves and interacts with other application components (see [0158] and [0159]);

a registration module (see [0683]) registering at least one application component with at least one of the nodes of the tree, based on at least one query [transaction] received from the at least one application component (see [0159]); and

a notification module (see [0683]) notifying the at least one application component [listener] when a configuration value associated with the at least one node is modified [alterations], based on an addition or change in at least one configuration value that matches the at least one query [transaction] (see [0159]).

**Referring to claim 18**, Hutsch discloses the computer system of claim 17, wherein the at least one query depends on at least one of a location of a configuration value in the tree [value] and a data type of a configuration value (see [0159]).

**Referring to claim 19**, Hutsch discloses the computer system of claim 17, wherein the hierarchical tree is an Extensible Markup Language (XML) tree, and an XML schema describes the structure of the XML tree and the data types that are stored (see [0158] and [0321]).

**Referring to claim 20**, Hutsch discloses the computer system of claim 17, wherein the at least one application component comprises a plurality of components of an email application (see [0210] and [0316]).

**Referring to claim 21**, Hutsch discloses the method of claim 1, wherein the plurality of configuration values in the hierarchical tree includes all of the configuration data values that are required by the at least one application component (see [0158] and [0159]).

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US PGPub 2004/0158575 titled "Distributed Computer Platform with Flexible Configuration" to Jacquemot et al

**Contact Information**


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly Lovel whose telephone number is (571) 272-2750. The examiner can normally be reached on 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimberly Lovel  
Examiner  
Art Unit 2167

\*\*\*

  
JOHN COTTINGHAM  
USPTO VICTORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100